

## CHAPTER 7 MANDATORY STUDY GUIDE

Test \_\_\_\_\_ DUE \_\_\_\_\_

Complete on a SEPARATE sheet of paper. Solve and CHECK each equation!!!!

### 7.1 Solving Two-Step Equations

1.  $4x - 17 = 31$

2.  $7 = 3 + x/6$

3.  $9n + 18 = 81$

4.  $25 - 13F = -14$

### 7.2 Solving Multi-Step Equations

5.  $0 = 5(k + 9)$

6.  $9 - 3(n - 5) = 30$

7.  $4(4 - a) = 8$

8.  $4p + 5 - 7p = -1$

9.  $-21 = 3 - 4n + n$

10.  $154 = 6 + 4(5 + 8x)$

11.  $-111 = 3(4v - 5)$

12.  $-7 - 4(3a + 8) = -87$

### 7.3 Multi-Step Equations with Fractions and Decimals

13.  $-15.3 = -7.5k + 55.2$

14.  $14 = \frac{2}{9}y - 15$

15.  $\frac{1}{5}y + 12 = \frac{9}{10}$

16.  $-8.3 = 0.9x - 0.2$

### 7.4 Write an Equation

Be able to write an equation of form  $px + q = r$  and solve!

17. Seven less than 4 times the number  $x$  is 21.

18. Eliza had \$24 to spend on four pens. After buying them she had \$14. How much did each pen cost?

19. Andrew purchased 3 sandwiches. He paid \$1.25 in tax. If he paid \$12.35 total, what is the cost of one sandwich?